

SHIM

GENERAL NOTES:

Methods and materials for construction of "Breakaway Sign Posts" shall conform to current Standard Specifications for Signing. Current Standard Specifications for Steel Structures shall also apply to appropriate work, such as welding, high tensile strength bolts, bolt holes, halt tension, etc.

The base plate notches shall be provided so that no metal projects beyond any face of the plate and the edges of the notches are smooth and true

All parts and hardware for posts shall be galvanized after fabrication except as noted. All bearing surfaces of base plate assembly shall be smooth and free of beads or runs.

The sign post may be attached to the footing stub post when approved by the Engineer. Sign post shall be plumbed by installing necessary shims as indicated.

The Contractor shall furnish two shims each of 0.3 millimeter and 0.8 millimeter thickness (total of 4 per post). Shims shall be brass stock or strip conforming to ASTM B-36. Details are shown for signs to be installed to the right of through roadway traffic. All installations will be thus, unless specified otherwise. For a left side installation, the notches in the breakaway base plate would be beveled in opposite direction as that shown.

The price bid for "Breakaway Sign Post" shall be considered full compensation for fabrication and installation as indicated hereon.

Breakaway Base shall be fabricated by either of two methods.

ALTERNATE NUMBER 1 - Base plates (2 each), shall be welded to sides of sign post and stub post flanges.

ALTERNATE NUMBER 2 - Base plate (I each), shall be welded to end of sign post and stub post by continuous fillet weld. When fully assembled, the bolt holes and notches in the stub post plate and the sign post plate shall be properly matched and aligned as in-

BOLTING PROCEDURE-BASE:

Tighten all bolts to maximum with 305 millimeter to 380 millimeter wrench to bed washers and shims and to clean bolt threads. Loosen each bolt in turn and retighten in systematic order to exact torque specified. Do not overtighten.

High strength bolts, nuts and washers shall be installed in an ungalvanized condition. After installation, all exposed surfaces of the bolts, nuts and washers shall be give two coats of zinc rich paint.

All dimensions given in millimeters unless noted.



TYPICAL SIGN INSTALLATION

Side View

Stub

Post

Top of footing to be same slope as design slope when

installed in sloping ground

Concrete footing - portion above ground line to be

formed. Refer to Standard

details of concrete footing

Road Plan RD-22A for complete

Post

Length

POST	DATA	BREAKAWAY BASE DATA											
Post Size	Stub Length	Post Size	Bolt Size & Torque	A	B	0	0	Œ	1	12	W	R	
W 150 x 14 W 150 x 18 W 150 x 22 W 200 x 27	/60	W 150 x 14 W 150 x 18 W 150 x 22 W 200 x 27	15.9 mm dia. x 70 mm Torque = 50.8 N·m	130	50	30	70	30	20	14	6	8.7	
W 200 x 31 W 250 x 33 W 250 x 39 W 310 x 39	915	W 200 x 31 W 250 x 33 W 250 x 39 W 310 x 39	19 mm dia. x 89 mm Torque = 84.7 N·m	160	60	35	90	35	25	20	8	10.3	